



**THOMAS L. GARTHWAITE, M.D.**  
Director and Chief Medical Officer

**FRED LEAF**  
Chief Operating Officer

COUNTY OF LOS ANGELES  
DEPARTMENT OF HEALTH SERVICES  
313 N. Figueroa, Los Angeles, CA 90012  
(213) 240-8101

**BOARD OF SUPERVISORS**

**Gloria Molina**  
First District

**Yvonne Brathwaite Burke**  
Second District

**Zev Yaroslavsky**  
Third District

**Don Knabe**  
Fourth District

**Michael D. Antonovich**  
Fifth District

September 14, 2005

TO: Each Supervisor

FROM: Thomas L. Garthwaite, M.D.  
Director and Chief Medical Officer

Jonathan E. Fielding, M.D., M.P.H.  
Public Health Director and Health Officer

SUBJECT: **2005 WEST NILE VIRUS ACTION PLAN, MONTHLY FOLLOW-UP REPORT**

On March 8, 2005 we presented the Board our West Nile Virus (WNV) prevention and surveillance plan for 2005. This is the sixth monthly follow-up report describing WNV prevention and surveillance activities in 2005.

Since our last update in July, 12 human WNV cases have been identified within Los Angeles County (LAC) as of September 7, 2005. These cases include: one encephalitis, six meningitis, four WNV Fever, and one asymptomatic blood donor. Five cases are located in the San Fernando Valley, four are from eastern LAC, and one is from the San Gabriel Valley. Since the first confirmed WNV case on August 9<sup>th</sup>, the Acute Communicable Disease Control Program has posted biweekly updates on Tuesdays and Fridays on the Department of Health Services' website showing the location of WNV-infected birds and the number of confirmed WNV human cases, (<http://lapublichealth.org/acd/index.htm>). To date, there have been no reported human deaths due to WNV infection; two confirmed fatal horse infections were reported last week. Ten sentinel chickens from Antelope Valley have shown evidence of WNV-infection since late May. Seventy-eight WNV-infected dead birds have been identified in seven LAC census tracts, including those in Long Beach. One hundred and eighty-five WNV-infected mosquito pools have been detected, including those in Long Beach.

As of July 2005, all areas of Los Angeles County with the exception of Catalina Island previously without mosquito control services have reached agreements with local vector control agencies. Cities with mosquito abatement services include South Pasadena, Baldwin Park, La Cañada-Flintridge, and unincorporated areas within the Antelope Valley including Quartz Hills, West Palmdale and Rancho Vista.

Each Supervisor  
September 14, 2005  
Page 2

We will provide you with our next status report by October 16, 2005. In the meantime, if you have any questions or need additional information, let either of us know.

TLG:JEF:RC:sc  
502:011 REF 2813 (A007LM2005 #6)

#### Attachments

c: Chief Administrative Officer  
County Counsel  
Executive Officer, Board of Supervisors

**WEST NILE VIRUS SURVEILLANCE AND PREVENTION  
SUMMARY ACTION PLAN – Updated September 7, 2005**

<b>Agency</b>	<b>WNV Activity</b>	<b>Description</b>	<b>Completion Date</b>	<b>Implementation Date</b>	<b>Notes</b>
DHS ACDC	Human surveillance	Clinician letter -- mandatory WNV reporting and prevention message	Completed	April 18, 2005	On July 1, 2004, the Health Officer made WNV infection reportable by clinicians and laboratories within one working day.
DHS ACDC	Human surveillance	Laboratory letter -- mandatory WNV reporting of results	Completed	April 18, 2005	
DHS ACDC	Human surveillance	Clinical consultation on WNV to medical providers	Continuous year-round	Continuous	Schedule medical grand rounds for physicians
DHS ACDC	Human surveillance	Active surveillance at selected high risk areas within LAC	Continuous WNV Season	Continuous	Hospitals in eastern county were invited to join active surveillance project. Hospital will report all WNV tests performed in house or will receive free WNV testing by PHL.
DHS ACDC	Human surveillance	Update database and epidemiologic case history forms	Continuous	Date of first case	Ongoing data cleaning
DHS ACDC	Human surveillance	Facilitate HIPAA Training for Mosquito Abatement District Management staff	Completed	April 29, 2005	ACDC facilitated LADHS HIPAA Training for key MAD management staff.
DHS ACDC	Human surveillance	Conduct Epidem. investigation	Continuous year-round	Date of first case	ACDC professional staff review and investigate all suspected WNV case reports, clinical laboratory reports, and blood bank positive donors.

**WEST NILE VIRUS SURVEILLANCE AND PREVENTION  
SUMMARY ACTION PLAN – Updated September 7, 2005**

<b>Agency</b>	<b>WNV Activity</b>	<b>Description</b>	<b>Completion Date</b>	<b>Implementation Date</b>	<b>Notes</b>
DHS ACDC	Human surveillance	Communication to local mosquito & vector control (MVCD) districts and CADHS	Continuous year-round	Date of first case	ACDC communicates pertinent location to local MVCD so it can assess and apply control measures if warranted.
DHS ACDC	Human surveillance	Communication to State DHS	Continuous year-round	Continuous	To synchronize statistics with state
DHS ACDC	Human surveillance	Summary reports of human cases	Continuous year-round	Date of first case	Analysis of confirmed cases on weekly or monthly basis. Update LAC DHS web page with accurate epidemiologic information.
DHS ACDC	Human surveillance	Analysis of human WNV surveillance data	Continuous year-round	Continuous	Generate weekly surveillance report - send by e-mail to appropriate agencies - post on website for public
DHS ACDC	Health Education	Coordinate prevention messages, press conferences and press releases with MVCDs and State	Continuous	Continuous	Collaborate to extent possible on standard public health messages and special releases, informed by survey.
DHS ACDC	Health Education	Update WNV educational cards (palm cards) to reflect findings of LA Survey.	In process Available: English, Spanish	Sept 21, 2005	In press: Korean, Chinese, Tagalog, Farsi, Vietnamese, Russian, Thai, Cambodian, Arabic
DHS ACDC	Health Education	Public Service Announcements in multiple radio stations; Clear Channel.	Completed	June 26-30, 2005	A WNV prevention radio message ran in English and Radio stations through a contract with Clear Channel.

**WEST NILE VIRUS SURVEILLANCE AND PREVENTION  
SUMMARY ACTION PLAN – Updated September 7, 2005**

<b>Agency</b>	<b>WNV Activity</b>	<b>Description</b>	<b>Completion Date</b>	<b>Implementation Date</b>	<b>Notes</b>
DHS ACDC	Health Education	WNV Prevention messages on static cling-on sheets for posting.	Completed	June 1, 2005	Materials available in English and Spanish available for posting on any surface.
DHS ACDC	Health Education	How to Mosquito Proof Your Home & Community	Completed	March 16, 2005	Parks & Recreations will partner with distribution of health education materials
DHS ACDC	Health Education	Toll free public information line in multiple languages	Completed	May 11, 2005 Update additional languages	Review and update messages monthly or as needed.
DHS ACDC	Health Education	Web page provides up-to-date figures on WNV activity in LAC. Links to appropriate sites for more information; access to downloadable materials	Ongoing	Ongoing	
DHS ACDC	WNV comprehensive status report	Provide information on cumulative human, bird, and mosquito indicators.	Continuous year-round	Continuous	Information to be e-mailed to appropriate agencies, posted on WNV web site
DHS CHS	Speakers Bureau (Area Health Officers)	New 2005 WNV Presentation	Completed	April 12, 2005	14 presentations were provided by the speaker's bureau in 2005 so far.
LAC VPH	Dead Bird Surveillance	Log calls from the public and MVCDs on dead birds. Arrange pick-up.	Continuous	Continuous	Arrange for test if bird has died recently (24-48 h) and belongs to corvid or raptor families.
LAC VPH	Dead Bird Surveillance	Perform VecTest (quick screening test) on dead birds	Continuous	Continuous	Confirmatory testing on positive birds is performed by LACPHL and California Viral and Rickettsial Disease Laboratory (VRDL)

**WEST NILE VIRUS SURVEILLANCE AND PREVENTION  
SUMMARY ACTION PLAN – Updated September 7, 2005**

<b>Agency</b>	<b>WNV Activity</b>	<b>Description</b>	<b>Completion Date</b>	<b>Implementation Date</b>	<b>Notes</b>
LAC EH	Collaboration	Work with board officials, county agencies and cities in developing long term, permanent mosquito control services to uncovered areas through annexation or contractual agreements	Continuous	Continuous	West of Quartz Hill toward Santa Clarita along highway 14 Corridor  August 1st- Antelope Valley Mosquito and Vector control received \$19,000 from Governor's budget to fund uncovered areas noted above.
LAC EH	Collaboration	Respond to mosquito concerns in those cities and communities without routine mosquito surveillance and control services	Continuous	Continuous	Does not include abatement.
LAC EH	Public education and inter-departmental training	Routine literature distribution throughout all cities within the county and provide training to other departments	Continuous	Continuous	Materials from ACDC
LAC EH	Collaboration	Provide staff to DHS Speakers Bureau	Continuous	Continuous	
LAC EH	Coordination	Facilitate MVCD communications on mosquito and bird findings	Continuous	Continuous	Represent DHS in technical meetings on vector surveillance and control
Local MVCDs	Sentinel chickens Surveillance	Maintain sentinel chicken flocks at various geographic locations	Continuous	Continuous	Chickens are bled biweekly and tested at VRDL

**WEST NILE VIRUS SURVEILLANCE AND PREVENTION  
SUMMARY ACTION PLAN – Updated September 7, 2005**

Agency	WNV Activity	Description	Completion Date	Implementation Date	Notes
Local MVCDs	Mosquito Surveillance	Test mosquito pools for arboviruses including SLE, WEE, and WNV	Continuous	Continuous	The CA DHS reports biweekly mosquito surveillance results in <i>CA Arbovirus Surveillance Bulletin</i>
Local MVCDs	Mosquito Abatement	MVCDs receive reports from ACDC and VPH to identify areas of human and animal case activity	Continuous	Continuous	Mosquito larva abatement via larvacide, mosquito fish, and habitat elimination. Controlling adult mosquitoes is not a primary focus of any MVCD
Local MVCDs	Dead Bird Surveillance	Sites for positive birds are evaluated for possible mosquito abatement	Continuous	Continuous	
Local MVCDs	Public Education	Districts' mission includes promotion of personal responsibility to reduce mosquito breeding sites.	Continuous	Continuous	Each MVCD serves a defined catchment area. Outreach thru mailings, billboards, and mass media

RC:sc

C:\LetterAssignment\2813\SummaryActionPlan-RC2005 Rev: 09/07/2005



## WEST NILE VIRUS: Epidemiology Report

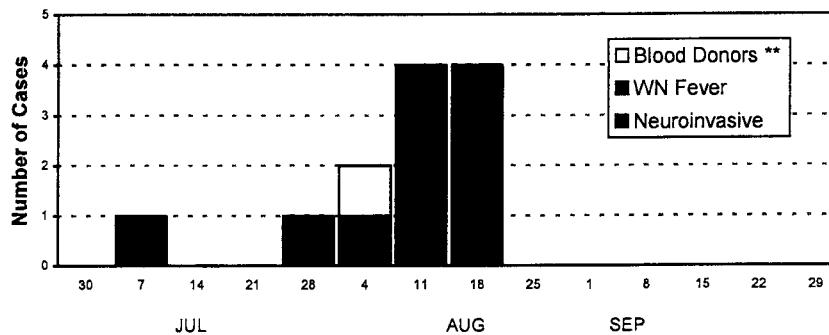
### Cumulative Totals - September 2, 2005

#### West Nile Virus Case Characteristics - Los Angeles County, 2005<sup>1</sup>

	Total #	Information Unknown <sup>2</sup>	Clinical Presentation						Demographics	
			Blood Donor	WN Fever	Neuro-invasive	Neuroinvasive Diagnosis	Hospitalized <sup>3</sup>	Deaths	Gender (M / F)	Median Age (range)
<b>TOTAL to date<sup>4</sup></b>	12	0	1	4	7	1 = Encephalitis 6 = Meningitis 0 = Acute Flaccid Paralysis	8	0	7 / 5	49 yrs (22-89 yrs)

- Excludes cases in Long Beach and Pasadena. Totals are provisional and subject to change.
- Cases reported positive but clinical and demographic information is pending.
- Hospitalized at time of diagnosis and may not reflect current clinical status.
- Cumulative case total as of Friday 09/2/05, 4pm.

**West Nile Disease Cases by Week of Symptom Onset \***  
Los Angeles County, 09/2/05  
(N=12)



\* Week of case confirmation does not necessarily reflect the week of illness onset. In 2004, LAC WNV cases were confirmed an average of 22 days after illness onset.

\*\* Blood donors listed by date of donation.

#### West Nile Virus: Case Count by Service Planning Area (SPA)

##### Los Angeles County, 09/2/2005

LOCATION	TOTAL to date <sup>1</sup>
SPA 1: Antelope Valley	0
SPA 2: San Fernando	5
SPA 3: San Gabriel	1
SPA 4: Metro	0
SPA 5: West	0
SPA 6: South	0
SPA 7: East	5
SPA 8: South Bay	1
Residence Unknown <sup>2</sup>	0
<b>TOTAL<sup>3</sup></b>	<b>12</b>

- Totals are provisional and subject to change.
- Demographic information is excluded or pending.
- Cumulative case total as of Friday 09/2/05, 4pm.

#### Dead Birds Identified with West Nile Virus by ZIP Code

##### Los Angeles County, 2005 (as of 9/1/2005)

